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☒ 1A22*Characteristics**Classification**Compound**Authors***HUMAN GROWTH HORMONE BOUND TO SINGLE RECEPTOR****Release Date:** 29-Apr-1998 **Exp. Method:** X Ray Diffraction**Resolution:** 2.60 Å**Complex (hormone/receptor)****Mol. Id: 1** **Molecule:** Growth Hormone **Mutation:** G120R **M****Id: 2** **Molecule:** Growth Hormone Receptor **Fragment:** Extra Domain**Clackson, T., Ultsch, M.H., Wells, J.A., de Vos, A.**☒ 1HWH*Characteristics**Classification**Compound**Authors***1:1 COMPLEX OF HUMAN GROWTH HORMONE MUTANT G120R WITH ITS SOLUBLE BINDING PROTEIN****Release Date:** 19-Nov-1997 **Exp. Method:** X Ray Diffraction**Resolution:** 2.90 Å**Complex (hormone/receptor)****Mol. Id: 1** **Molecule:** Growth Hormone **Mutation:** G120R **M****Id: 2** **Molecule:** Growth Hormone Binding Protein**Fragment:** Extracellular Domain**Sundstrom, M., Lundqvist, T., Rodin, J., Giebel, L.B., Milligan, D., Norstedt, G.**☒ 3HHR*Characteristics**Classification**Compound**Authors***HUMAN GROWTH HORMONE AND EXTRACELLULAR DOMAIN OF ITS RECEPTOR: CRYSTAL STRUCTURE OF THE COMPLEX****Release Date:** 30-Apr-1994 **Exp. Method:** X Ray Diffraction**Resolution:** 2.80 Å**Hormone/receptor****Mol. Id: 1** **Molecule:** Human Growth Hormone **Mol. Id: 2****Molecule:** Human Growth Hormone Receptor (hghbp) **Mol. Id:****Molecule:** Human Growth Hormone Receptor**de Vos, A.M., Ultsch, M., Kossiakoff, A.A.**☒ 1HZN*Characteristics*
*Classification**Compound**Authors***NMR SOLUTION STRUCTURE OF THE THIRD EXTRACELLULAR LOOP OF THE CHOLECYSTOKININ A RECEPTOR****Release Date:** 25-Apr-2001 **Exp. Method:** NMR**Hormone/growth Factor****Mol. Id: 1** **Molecule:** Cholecystokinin Type a Receptor**Fragment:** Residues 329 357**Giragossian, C., Mierke, D.F.**☒ 1L4T**SOLUTION NMR STRUCTURE OF THE CCK2E3***Characteristics* **Release Date:** 28-Jan-2003 **Exp. Method:** NMR Minimized Av

**Classification****Hormone/growth Factor Receptor****Compound****Mol. Id: 1 Molecule:** Gastrin/cholecystokinin Type B Receptor**Authors****Fragment:** Extracellular Domain Residues 352 379
Giragossian, C., Mierke, D.F.☒ **1N9D****SOLUTION STRUCTURE OF HUMAN PROLACTIN****Characteristics****Release Date:** 06-May-2003 **Exp. Method:** NMR 2D Structure**Classification****Hormone/growth Factor****Compound****Mol. Id: 1 Molecule:** Prolactin**Authors****Keeler, C., Dannies, P.S., Hodsdon, M.E.**☒ **1BP3****THE XRAY STRUCTURE OF A GROWTH HORMONE-PROLACTIN RECEPTOR COMPLEX****Characteristics****Release Date:** 19-Aug-1998 **Exp. Method:** X Ray Diffraction**Classification****Hormone/growth Factor****Compound****Mol. Id: 1 Molecule:** Protein (growth Hormone) **Mutation:** G**Authors****Mol. Id: 2 Molecule:** Protein (prolactin Receptor)
Somers, W., Ultsch, M., De Vos, A.M., Kossiakoff,☒ **1AXI****STRUCTURAL PLASTICITY AT THE HGH:HGHBP INTERFACE****Characteristics****Release Date:** 28-Jan-1998 **Exp. Method:** X Ray Diffraction**Classification****Resolution:** 2.10 Å**Compound****Complex (hormone/receptor)****Authors****Mol. Id: 1 Molecule:** Growth Hormone **Mutation:** G120R, K1
D171T, K172Y, E174A, F176Y **Mol. Id: 2 Molecule:** Growth
Hormone Receptor **Fragment:** Extracellular Binding Domain
Mutation: W104A
Atwell, S., Ultsch, M., De Vos, A.M., Wells, J.A.☒ **1HWG****1:2 COMPLEX OF HUMAN GROWTH HORMONE WITH ITS SOLUBLE BINDING PROTEIN****Characteristics****Release Date:** 19-Nov-1997 **Exp. Method:** X Ray Diffraction**Classification****Resolution:** 2.50 Å**Compound****Complex (hormone/receptor)****Authors****Mol. Id: 1 Molecule:** Growth Hormone **Mol. Id: 2**
Molecule: Growth Hormone Binding Protein **Fragment:** Extracel
Domain
Sundstrom, M., Lundqvist, T., Rodin, J., Giebel, L.B., Milligan, D., Norstedt, G.☒ **1QSZ****THE VEGF-BINDING DOMAIN OF FLT-1 (MINIMIZED MEAN)****Characteristics****Release Date:** 10-Nov-1999 **Exp. Method:** NMR Minimized A**Classification****Hormone/growth Factor Receptor****Compound****Mol. Id: 1 Molecule:** Vascular Endothelial Growth Factor Recep**Authors****Fragment:** Second Extracellular Immunoglobulin Like Domain
Starovasnik, M.A., Christinger, H.W., Wiesmann, M.A., de Vos, A.M., Skelton, N.J.

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	566	sundstrom.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:48
L2	14	L1 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:50
L3	37	Norstedt.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:50
L4	5	L3 and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 07:50
L5	1580395	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR) or crystallization)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:50
L6	1580224	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR) or crystallization)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:49
L7	1183547	((crystal) or (xtal) or (crystallization))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L8	259231	L7 same methods	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:53
L9	31829	L7 same method.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 08:53
L10	291656	L7 and method.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:11
L11	2072	(530/399).CCLS.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/03/02 10:11

EAST Search History

L12	423	L11 and L7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:12
L13	152	L12 and "human growth hormone"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L14	26	L12 and "human growth hormone receptor"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:13
L15	5	L12 and "human growth hormone receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:12
L16	41	L12 and "human growth hormone".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L17	103294	((crystal) or (xtal) or (crystallization)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L18	20	L17 and L11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:14
L19	1512680	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:22
L20	296	L19 and "cytokine receptor protein"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:23
L21	12	L19 and "cytokine receptor protein".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:24
L22	247	L19 and "cytokine receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:24
L23	9	L19.clm. and "cytokine receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:25

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L24	24	L19.clm. and "IL-2".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:26
L25	12	L19.clm. and "IL-3".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:27
L26	14	L19.clm. and "IL-4".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:28
L27	3	L7.clm. and "IL-5".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:28
L28	10	L7.clm. and "IL-6".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:36
L29	3	L7.clm. and "IL-7".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:37
L30	0	L7.clm. and "IL-9".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:37
L31	3	L7.clm. and "IL-11".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:37
L32	7	L7.clm. and "IL-12".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:38
L33	2	L7.clm. and "IL-15".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:38
L34	5	L7.clm. and "EPO".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:38
L35	3	L7.clm. and "G-CSF".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:46

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L36	3	L7.clm. and "GM-CSF".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:50
L37	37	L7.clm. and "OM".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:51
L38	1	L7.clm. and "CT-1".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:51
L39	0	L7.clm. and "CNTF".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:52
L40	6	L7.clm. and "TPO".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:52
S4	1509114	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:22
S5	1510254	((crystal) or (xtal) or (3D) or (xray) or (x-ray) or (NMR))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:45
S6	318	S5 and "human growth hormone receptor"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:46
S7	16	S5 and "human growth hormone receptor".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:51
S8	2	("6891025").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/02/24 10:51

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***Index Chemicus (File 302)

***Inspec (File 202)

***Physical Education Index (File 138)

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***EDGARPLUS(TM)-Registration Statements (File 775)

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***EDGARPLUS(TM)-10-Q Filings (File 779)

***EDGARPLUS(TM)-Proxy Statements (File 780)

***ERIC (File 1)

Chemical Structure Searching now available in Prous Science Drug
Data Report (F452), Prous Science Drugs of the Future (F453),
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus
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>>>          44 is unauthorized
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      $0.14 Estimated cost this search
      $0.14 Estimated total session cost      0.211 DialUnits
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 File 136:BioEngineering Abstracts 1966-2006/Jan
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 File 144:Pascal 1973-2006/Feb W1
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 File 185:Zoological Record Online(R) 1978-2006/Mar
 (c) 2006 BIOSIS
 File 357:Derwent Biotech Res. 1982-2006/Feb W4
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 (c) 2001 Informania Ltd.
***File 467: F467 will close on February 1, 2006. 7.**
 File 399:CA SEARCH(R) 1967-2006/UD=14410
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128 AU=SUNDSTROM M?
8 AU=SUNDSTROM, M.
38 AU=SUNDSTROM, M?
37 AU=SUNDSTROM M.

S1 166 AU=((SUNDSTROM M?) OR (SUNDSTROM, M.) OR (SUNDSTROM, M?)
OR (SUNDSTROM M.))

? s s1 and (growth hormone)

166 S1
103549 GROWTH HORMONE

S2 5 S1 AND (GROWTH HORMONE)

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3/3/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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11645782 PMID: 8943276

Crystal structure of an antagonist mutant of human growth hormone, G120R, in complex with its receptor at 2.9 A resolution.

Sundstrom M ; Lundqvist T; Rodin J; Giebel L B; Milligan D; Norstedt G
Department of Structural Biochemistry, Pharmacia and Upjohn, Preclinical
Research and Development, S-112 87 Stockholm, Sweden.
michael.sundstrom@sto.pharmacia.se

Journal of biological chemistry (UNITED STATES) Dec 13 1996, 271 (50)
p32197-203, ISSN 0021-9258 Journal Code: 2985121R

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

3/3/2 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0011082092 BIOSIS NO.: 199799716152

Stimulation of kinase cascades by growth hormone: A paradigm for cytokine signaling

BOOK TITLE: Progress in Nucleic Acid Research and Molecular Biology

AUTHOR: Wood Timothy J J (Reprint); Haldosen Lars-Arne; Sliva Daniel;

Sundstrom Michael ; Norstedt Gunnar

BOOK AUTHOR/EDITOR: Moldave K (Editor)

AUTHOR ADDRESS: Dep. Cell Biol., Pharmacia UpJohn, 112 87 Stockholm, Sweden
****Sweden**

SERIES TITLE: Progress in Nucleic Acid Research and Molecular Biology 57 p
73-94 1997

BOOK PUBLISHER: Academic Press, Inc., 1250 Sixth Ave., San Diego,
California 92101, USA

Academic Press Ltd., 14 Belgrave Square, 24-28 Oval Road,
London NW1 7OX, England, UK

ISSN: 0079-6603 ISBN: 0-12-540057-8
DOCUMENT TYPE: Book Chapter; Literature Review
RECORD TYPE: Citation
LANGUAGE: English

3/3/3 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
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06716533 EMBASE No: 1996381517

Crystal structure of an antagonist mutant of human growth hormone, G120R, in complex with its receptor at 2.9 Angstrom resolution

Sundstrom M. ; Lundqvist T.; Rodin J.; Giebel L.B.; Milligan D.; Norstedt G.

Dept. of Structural Biochemistry, Pharmacia and Upjohn, Preclinical R and D, Nordenflychtsvagen 62:6,S-112 87 Stockholm Sweden

Journal of Biological Chemistry (J. BIOL. CHEM.) (United States) 1996 , 271/50 (32197-32203)

CODEN: JBCHA ISSN: 0021-9258

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

3/3/4 (Item 2 from file: 73)
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06185574 EMBASE No: 1995215211

Protein crystallography as a tool for studying the three-dimensional structure and function of the human growth hormone-receptor complex

Lundqvist T.; Sundstrom M.

Department Structural Biochemistry, Biopharmaceuticals, Pharmacia AB,S-112 87 Stockholm Sweden

Endocrinology and Metabolism, Supplement (ENDOCRINOL. METAB. SUPPL.) (United Kingdom) 1995, 2/B (47-52)

CODEN: EMESF ISSN: 1074-939X

DOCUMENT TYPE: Journal; Conference Paper

LANGUAGE: ENGLISH

? t s3/full/4

3/9/4 (Item 2 from file: 73)
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06185574 EMBASE No: 1995215211

Protein crystallography as a tool for studying the three-dimensional structure and function of the human growth hormone-receptor complex

Lundqvist T.; Sundstrom M.

Department Structural Biochemistry, Biopharmaceuticals, Pharmacia AB,S-112 87 Stockholm Sweden

Endocrinology and Metabolism, Supplement (ENDOCRINOL. METAB. SUPPL.) (United Kingdom) 1995, 2/B (47-52)

CODEN: EMESF ISSN: 1074-939X

DOCUMENT TYPE: Journal; Conference Paper

LANGUAGE: ENGLISH

DRUG DESCRIPTORS:

*growth hormone receptor

growth hormone --pharmacology--pd
MEDICAL DESCRIPTORS:
*crystallography
conference paper; controlled study; human; molecular biology; priority
journal; receptor binding
CAS REGISTRY NO.: 36992-73-1, 37267-05-3, 66419-50-9, 9002-72-6 (growth
hormone)

SECTION HEADINGS:
003 Endocrinology
029 Clinical and Experimental Biochemistry
037 Drug Literature Index

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S2	5	S1 AND (GROWTH HORMONE)
S3	4	RD (unique items)

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File 50:CAB Abstracts 1972-2006/Jan
(c) 2006 CAB International

File 65:Inside Conferences 1993-2006/Mar 01
(c) 2006 BLDSC all rts. reserv.

File 71:ELSEVIER BIOBASE 1994-2006/Feb W4
(c) 2006 Elsevier Science B.V.

File 73:EMBASE 1974-2006/Mar 02
(c) 2006 Elsevier Science B.V.

File 91:MANTIS(TM) 1880-2006/Feb
2006 (c) Action Potential

File 94:JICST-EPlus 1985-2006/Dec W1
(c)2006 Japan Science and Tech Corp(JST)

File 98:General Sci Abs 1984-2004/Dec
(c) 2005 The HW Wilson Co.

File 110:WasteInfo 1974-2002/Jul
(c) 2002 AEA Techn Env.

*File 110: This file is closed (no updates)

File 135:NewsRx Weekly Reports 1995-2006/Feb W3
(c) 2006 NewsRx

*File 135: Please see HELP NEWS135 for information on select journal titles.

File 136:BioEngineering Abstracts 1966-2006/Jan
(c) 2006 CSA.

File 143:Biol. & Agric. Index 1983-2006/Feb
(c) 2006 The HW Wilson Co

File 144:Pascal 1973-2006/Feb W1
(c) 2006 INIST/CNRS

File 164:Allied & Complementary Medicine 1984-2006/Mar
(c) 2006 BLHCIS

File 172:EMBASE Alert 2006/Mar 02
(c) 2006 Elsevier Science B.V.

File 185:Zoological Record Online(R) 1978-2006/Mar
(c) 2006 BIOSIS

File 357:Derwent Biotech Res. _1982-2006/Feb W4
(c) 2006 Thomson Derwent & ISI

File 369:New Scientist 1994-2006/Aug W4
(c) 2006 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS

*File 370: This file is closed (no updates). Use File 47 for more current information.

File 391:Beilstein Reactions 2005/Q3
(c) 2005 Beilstein GmbH

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

File 467:ExtraMED(tm) 2000/Dec
(c) 2001 Informania Ltd.

*File 467: F467 will close on February 1, 2006. 7.

File 399:CA SEARCH(R) 1967-2006/UD=14410
(c) 2006 American Chemical Society

*File 399: Use is subject to the terms of your user/customer agreement.
IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

Set Items Description

Cost is in DialUnits

?

Terminal set to DLINK

? b 155 biosci 399

>>> 44 is unauthorized

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>>>          76 is unauthorized
>>>2 of the specified files are not available
02mar06 08:20:16 User276629 Session D206.3
$0.02      0.005 DialUnits File155
$0.02 Estimated cost File155
$0.03      0.005 DialUnits File5
$0.03 Estimated cost File5
$0.03      0.005 DialUnits File24
$0.03 Estimated cost File24
$0.03      0.005 DialUnits File28
$0.03 Estimated cost File28
$0.12      0.005 DialUnits File34
$0.12 Estimated cost File34
$0.02      0.005 DialUnits File35
$0.02 Estimated cost File35
$0.04      0.005 DialUnits File40
$0.04 Estimated cost File40
$0.03      0.005 DialUnits File41
$0.03 Estimated cost File41
$0.02      0.005 DialUnits File50
$0.02 Estimated cost File50
$0.02      0.005 DialUnits File65
$0.02 Estimated cost File65
$0.04      0.005 DialUnits File71
$0.04 Estimated cost File71
$0.06      0.005 DialUnits File73
$0.06 Estimated cost File73
$0.02      0.005 DialUnits File91
$0.02 Estimated cost File91
$0.02      0.005 DialUnits File94
$0.02 Estimated cost File94
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$0.02 Estimated cost File98
$0.03      0.005 DialUnits File110
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$0.03      0.005 DialUnits File135
$0.03 Estimated cost File135
$0.03      0.005 DialUnits File136
$0.03 Estimated cost File136
$0.01      0.005 DialUnits File143
$0.01 Estimated cost File143
$0.02      0.005 DialUnits File144
$0.02 Estimated cost File144
$0.02      0.005 DialUnits File164
$0.02 Estimated cost File164
$0.06      0.005 DialUnits File172
$0.06 Estimated cost File172
$0.03      0.005 DialUnits File185
$0.03 Estimated cost File185
$0.11      0.005 DialUnits File357
$0.11 Estimated cost File357
$0.02      0.005 DialUnits File369
$0.02 Estimated cost File369
$0.02      0.005 DialUnits File370
$0.02 Estimated cost File370
$0.00      0.005 DialUnits File391
$0.00 Estimated cost File391
$0.12      0.005 DialUnits File434
$0.12 Estimated cost File434
$0.03      0.005 DialUnits File467

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\$0.03 Estimated cost File467
\$0.06 0.005 DialUnits File399
\$0.06 Estimated cost File399
OneSearch, 30 files, 0.148 DialUnits FileOS
\$0.05 TELNET
\$1.16 Estimated cost this search
\$1.16 Estimated total session cost 0.148 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2006/Mar 01

(c) format only 2006 Dialog

***File 155: Medline has resumed updating.**

File 5:Biosis Previews(R) 1969-2006/Feb W4

(c) 2006 BIOSIS

File 24:CSA Life Sciences Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 28:Oceanic Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 34:SciSearch(R) Cited Ref Sci 1990-2006/Feb W3

(c) 2006 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2006/Feb

(c) 2006 ProQuest Info&Learning

File 40:Enviroline(R) 1975-2005/Dec

File 41:Pollution Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 50:CAB Abstracts 1972-2006/Jan

(c) 2006 CAB International

File 65:Inside Conferences 1993-2006/Mar 01

(c) 2006 BLDSC all rts. reserv.

File 71:ELSEVIER BIOBASE 1994-2006/Feb W4

(c) 2006 Elsevier Science B.V.

File 73:EMBASE 1974-2006/Mar 02

(c) 2006 Elsevier Science B.V.

File 91:MANTIS(TM) 1880-2006/Feb

2006 (c) Action Potential

File 94:JICST-EPlus 1985-2006/Dec W1

(c)2006 Japan Science and Tech Corp(JST)

File 98:General Sci Abs 1984-2004/Dec

(c) 2005 The HW Wilson Co.

File 110:WasteInfo 1974-2002/Jul

(c) 2002 AEA Techn Env.

***File 110: This file is closed (no updates)**

File 135:NewsRx Weekly Reports 1995-2006/Feb W3

(c) 2006 NewsRx

***File 135: Please see HELP NEWS135 for information on select journal titles.**

File 136:BioEngineering Abstracts 1966-2006/Jan

(c) 2006 CSA.

File 143:Biol. & Agric. Index 1983-2006/Feb

(c) 2006 The HW Wilson Co

File 144:Pascal 1973-2006/Feb W1

(c) 2006 INIST/CNRS

File 164:Allied & Complementary Medicine 1984-2006/Mar

(c) 2006 BLHCIS

File 172:EMBASE Alert 2006/Mar 02

(c) 2006 Elsevier Science B.V.

File 185:Zoological Record Online(R) 1978-2006/Mar

(c) 2006 BIOSIS

File 357:Derwent Biotech Res. _1982-2006/Feb W4

(c) 2006 Thomson Derwent & ISI

File 369:New Scientist 1994-2006/Aug W4

(c) 2006 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS

***File 370: This file is closed (no updates). Use File 47 for more current information.**

File 391:Beilstein Reactions 2005/Q3

(c) 2005 Beilstein GmbH

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

(c) 1998 Inst for Sci Info

File 467:ExtraMED(tm) 2000/Dec

(c) 2001 Informania Ltd.

***File 467: F467 will close on February 1, 2006.**

7.

File 399:CA SEARCH(R) 1967-2006/UD=14410

(c) 2006 American Chemical Society

***File 399: Use is subject to the terms of your user/customer agreement.**
IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

Set Items Description

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? s dt=review

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

S1 2564728 DT=REVIEW

? s s1 and crystallization

2564728 S1

527244 CRYSTALLIZATION

S2 4967 S1 AND CRYSTALLIZATION

? s s1 and (crystallization near tips)

2564728 S1

0 CRYSTALLIZATION NEAR TIPS

S3 0 S1 AND (CRYSTALLIZATION NEAR TIPS)

? s 2 and tips

Sending Break...

?s s2 and (tips or tricks)

4967 S2

104518 TIPS

5066 TRICKS

S4 11 S2 AND (TIPS OR TRICKS)

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S5 9 RD (unique items)

? s s5 and py<=1997

Processing

Processed 10 of 30 files ...

Processing

Processed 20 of 30 files ...

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

Processing

Processed 30 of 30 files ...

Completed processing all files

9 S5

89665648 PY<=1997

S6 3 S5 AND PY<=1997
? t s6/medium/all

6/3/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

06306793 Genuine Article#: YH165 No. References: 100
Title: Surface energetics from the transition from step-flow growth to two-dimensional nucleation in metal homoepitaxy
Author(s): Markov I (REPRINT)
Corporate Source: BULGARIAN ACAD SCI, INST PHYS CHEM/BU-1113
SOFIA//BULGARIA/ (REPRINT)
Journal: PHYSICAL REVIEW B-CONDENSED MATTER, 1997 , V56, N19 (NOV 15), P 12544-12552
ISSN: 0163-1829 Publication date: 19971115
Publisher: AMER INST PHYSICS, CIRCULATION FULFILLMENT DIV, 500 SUNNYSIDE BLVD, WOODBURY, NY 11797-2999
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

6/3/2 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

05513947 Genuine Article#: WD509 No. References: 122
Title: High-resolution scanning tunneling microscopy of fully hydrated ripple-phase bilayers
Author(s): Woodward JT; Zasadzinski JA (REPRINT)
Corporate Source: UNIV CALIF SANTA BARBARA, DEPT CHEM ENGN/SANTA BARBARA//CA/93106 (REPRINT); UNIV CALIF SANTA BARBARA, DEPT CHEM ENGN/SANTA BARBARA//CA/93106; UNIV CALIF SANTA BARBARA, DEPT PHYS/SANTA BARBARA//CA/93106
Journal: BIOPHYSICAL JOURNAL, 1997 , V72, N2,1 (FEB), P964-976
ISSN: 0006-3495 Publication date: 19970200
Publisher: BIOPHYSICAL SOCIETY, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

6/3/3 (Item 3 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2006 Inst for Sci Info. All rts. reserv.

01035668 Genuine Article#: FQ320 No. References: 67
Title: STABILITY AND SHAPES OF CELLULAR PROFILES IN DIRECTIONAL SOLIDIFICATION - EXPANSION AND MATCHING METHODS
Author(s): WEEKS JD; VANSARLOOS W; GRANT M
Corporate Source: UNIV MARYLAND, INST PHYS SCI & TECHNOL/COLLEGE PK//MD/20742; AT&T BELL LABS/MURRAY HILL//NJ/07974; MCGILL UNIV, DEPT PHYS/MONTREAL H3A 2T8/QUEBEC/CANADA/
Journal: JOURNAL OF CRYSTAL GROWTH, 1991 , V112, N1, P244-282
Language: ENGLISH Document Type: REVIEW (Abstract Available)
? s (protein crystallography)
S7 953 (PROTEIN CRYSTALLOGRAPHY)
? s s7 and crystallization
953 S7
527244 CRYSTALLIZATION

```

      S8      223  S7 AND CRYSTALLIZATION
? s s8 and (tips or tricks)
      223  S8
      104518  TIPS
      5066  TRICKS
      S9      0  S8 AND (TIPS OR TRICKS)
? s s8 and methods
      223  S8
      10155721  METHODS
      S10      49  S8 AND METHODS
? rd

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>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

```

      S11      47  RD (unique items)
? s s11 and py<=1997
Processing
Processed 10 of 30 files ...
Processing
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
Processed 20 of 30 files ...
Processing
Completed processing all files
      47  S11
      89665648  PY<=1997
      S12      7  S11 AND PY<=1997
? t s12/medium/all

```

12/3/1 (Item 1 from file: 5)
 DIALOG(R)File 5:Biosis Previews(R)
 (c) 2006 BIOSIS. All rts. reserv.

0010011400 BIOSIS NO.: 199598479233

Crystallographic and chromatographic methods for study of antibody light chains and other proteins

BOOK TITLE: Methods in Molecular Biology; Antibody engineering protocols

AUTHOR: Schiffer Marianne; Stevens Fred J

BOOK AUTHOR/EDITOR: Paul S (Editor)

AUTHOR ADDRESS: Center Mechanistic Biol. Biotechnol., Argonne Natl. Lab.,
 Argonne, IL, USA**USA

SERIES TITLE: **Methods** in Molecular Biology 51 p83-98 1995

BOOK PUBLISHER: Humana Press Inc. {a}, Suite 808, 999 Riverview Drive,
 Totowa, New Jersey 07512, USA

ISSN: 0097-0816 **ISBN:** 0-89603-275-2

DOCUMENT TYPE: Book; Book Chapter

RECORD TYPE: Citation

LANGUAGE: English

12/3/2 (Item 1 from file: 34)
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
 (c) 2006 Inst for Sci Info. All rts. reserv.

03098927 Genuine Article#: NE640 No. References: 32

Title: CURRENT PROGRESS IN CRYSTALLOGRAPHIC STUDIES OF NEW LIPASES FROM
FILAMENTOUS FUNGI

Author(s): DEREWENDA U; SWENSON L; GREEN R; WEI Y; YAMAGUCHI S; JOERGER R;

HAAS MJ; DEREWENDA ZS
Corporate Source: UNIV ALBERTA, DEPT BIOCHEM, MRC, PROT STRUCT & FUNCT
GRP/EDMONTON T6G 2H7/AB/CANADA/; UNIV ALBERTA, DEPT BIOCHEM, MRC, PROT
STRUCT & FUNCT GRP/EDMONTON T6G 2H7/AB/CANADA/; AMANO PHARMACEUT CO
LTD, TSUKUBA RES LAB/TSUKUBA/IBARAKI/JAPAN/; USDA ARS, EASTERN REG RES
CTR/PHILADELPHIA//PA/19118
Journal: PROTEIN ENGINEERING, 1994, V7, N4 (APR), P551-557
ISSN: 0269-2139
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

12/3/3 (Item 1 from file: 71)
DIALOG(R) File 71: ELSEVIER BIOBASE
(c) 2006 Elsevier Science B.V. All rts. reserv.

00501380 97000970
**Crystal structure of the secretory form of membrane-associated human
carbonic anhydrase IV at 2.8-Angstrom resolution**
Stams T.; Nair S.K.; Okuyama T.; Waheed A.; Sly W.S.; Christianson D.W.
ADDRESS: S.K. Nair, Laboratories of Molecular Biophysics, Rockefeller
University, New York, NY 10021, United States
Journal: Proceedings of the National Academy of Sciences of the United
States of America, 93/24 (13589-13594), 1996, United States
PUBLICATION DATE: 19960000
CODEN: PNASA
ISSN: 0027-8424
DOCUMENT TYPE: Conference Paper
LANGUAGES: English SUMMARY LANGUAGES: English

DESCRIPTORS:
protein crystallography; zinc enzyme; carbon dioxide hydration

CLASSIFICATION CODE AND DESCRIPTION:
82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein
Crystallization and Crystal Structures
82.5.2 - PROTEIN BIOCHEMISTRY / GENERAL ENZYMOLOGY / Molecular Recognition
(Specificity)

12/3/4 (Item 2 from file: 71)
DIALOG(R) File 71: ELSEVIER BIOBASE
(c) 2006 Elsevier Science B.V. All rts. reserv.

00413487 96107251
**Crystal structure of Deltasup 9 stearyl-acyl carrier protein desaturase
from castor seed and its relationship to other di-iron proteins**
Lindqvist Y.; Huang W.; Schneider G.; Shanklin J.
ADDRESS: Y. Lindqvist, Division of Structural Biology, Dept Medical
Biochemistry Biophysics, Karolinska Institute, Doktorsringen 4,
S-171 77 Stockholm, Sweden
Journal: EMBO Journal, 15/16 (4081-4092), 1996, United Kingdom
PUBLICATION DATE: 19960000
CODEN: EMJOD
ISSN: 0261-4189
DOCUMENT TYPE: Article
LANGUAGES: English SUMMARY LANGUAGES: English

DESCRIPTORS:
Di-iron centre; Electron transfer; Fatty acid biosynthesis; **Protein**

crystallography

CLASSIFICATION CODE AND DESCRIPTION:

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein

Crystallization and Crystal Structures

82.12.6.2 - PROTEIN BIOCHEMISTRY / OTHER PROTEINS / Binding Proteins / Iron binding proteins

12/3/5 (Item 3 from file: 71)

DIALOG(R)File 71:ELSEVIER BIOBASE

(c) 2006 Elsevier Science B.V. All rts. reserv.

00370377 96035886

Crystal structures of apolipoprotein(a) kringle IV37 free and complexed with 6-aminohexanoic acid and with p-aminomethyl benzoic acid: Existence of novel and expected binding modes

Mikol V.; LoGrasso P.V.; Boettcher B.R.

ADDRESS: V. Mikol, Preclinical Research, Sandoz Pharma AG, CH-4002 Basel, Switzerland

Journal: Journal of Molecular Biology, 256/4 (751-761), 1996, United Kingdom

PUBLICATION DATE: 19960000

CODEN: JMOBA

ISSN: 0022-2836

DOCUMENT TYPE: Article

LANGUAGES: English SUMMARY LANGUAGES: English

DESCRIPTORS:

Apolipoprotein(a); Kringle; **Protein crystallography**; Protein-ligand interactions

CLASSIFICATION CODE AND DESCRIPTION:

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein

Crystallization and Crystal Structures

82.12.9 - PROTEIN BIOCHEMISTRY / OTHER PROTEINS / Lipoproteins

12/3/6 (Item 4 from file: 71)

DIALOG(R)File 71:ELSEVIER BIOBASE

(c) 2006 Elsevier Science B.V. All rts. reserv.

00323907 95150705

Crystal structure of the SH2 domain from the adaptor protein SHC: A model for peptide binding based on X-ray and NMR data

Mikol V.; Baumann G.; Zurini M.G.M.; Hommel U.

ADDRESS: V. Mikol, Preclinical Research, Sandoz Pharma AG, CH-4002 Basel, Switzerland

Journal: Journal of Molecular Biology, 254/1 (86-95), 1995, United Kingdom

PUBLICATION DATE: 19950000

CODEN: JMOBA

ISSN: 0022-2836

DOCUMENT TYPE: Article

LANGUAGES: English SUMMARY LANGUAGES: English

DESCRIPTORS:

SH2 domain; **Protein crystallography**; SHC; NMR spectroscopy; Signal

transduction

CLASSIFICATION CODE AND DESCRIPTION:

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein

Crystallization and Crystal Structures

82.2.12.2 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Molecular

Recognition / Protein-protein interaction

82.2.5.1 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Structures from

Spectroscopic **Methods** / NMR

12/3/7 (Item 5 from file: 71)

DIALOG(R)File 71:ELSEVIER BIOBASE

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00279006

95094013

Structure-assisted redesign of a protein-zinc-binding site with femtomolar affinity

Ippolito J.A.; Baird Jr. T.T.; McGee S.A.; Christianson D.W.; Fierke C.A.

ADDRESS: D.W. Christianson, Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104-6323, United States

Journal: Proceedings of the National Academy of Sciences of the United States of America, 92/11 (5017-5021), 1995, United States

PUBLICATION DATE: 19950000

CODEN: PNASA

ISSN: 0027-8424

DOCUMENT TYPE: Article

LANGUAGES: English

SUMMARY LANGUAGES: English

DESCRIPTORS:

protein crystallography ; protein engineering; enzymology; metalloenzyme

CLASSIFICATION CODE AND DESCRIPTION:

82.3.1 - PROTEIN BIOCHEMISTRY / PROTEIN ENGINEERING / Design and

Theoretical Studies

82.2.12.6 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Molecular

Recognition / Protein-metal interaction

82.2.3 - PROTEIN BIOCHEMISTRY / STRUCTURAL STUDIES / Protein

Crystallization and Crystal Structures

?

PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

?

TIMEOUT: Logged Off 03/02/06 08:42:10 by System

You are now logged off